

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-65. (Canceled).

66. (Currently amended) An isolated or purified polypeptide, said polypeptide comprising a fragment of *Staphylococcus aureus* (*S. aureus*) DnaG primase set forth in SEQ ID NO: 2, wherein said fragment comprises amino acids 380 to 599 of SEQ ID NO: 2, and wherein said polypeptide binds a polypeptide comprising SEQ ID NO:4.

67-71 (Canceled).

72. (Previously presented) A composition comprising a first isolated or purified polypeptide and a second isolated or purified polypeptide, wherein said first polypeptide and said second polypeptide specifically bind each other, wherein said first polypeptide comprises SEQ ID NO: 6, and wherein said second polypeptide comprises SEQ ID NO:4.

73-85. (Canceled).

86. (Previously presented) An isolated or purified polypeptide comprising an amino acid sequence having at least 95% identity over the entire length of SEQ ID NO: 2, wherein said isolated or purified polypeptide binds a polypeptide comprising SEQ ID NO:4.

87. (Previously presented) An isolated or purified polypeptide comprising an amino acid sequence having at least 97% similarity over the entire length of SEQ ID NO: 2, wherein said isolated or purified polypeptide binds a polypeptide comprising SEQ ID NO:4.

88. (Currently amended) An isolated or purified polypeptide consisting essentially of the amino acid sequence of SEQ ID NO: 2.

89-90. (Canceled).

91. (Previously presented) An isolated or purified primase, wherein said primase comprises an amino acid sequence selected from the group consisting of:

(a) an amino acid sequence having at least 95% identity over the entire length of SEQ ID NO: 2;

(b) an amino acid sequence having at least 97% similarity over the entire length of SEQ ID NO: 2; and

(c) an amino acid sequence set forth in SEQ ID NO: 2;

and wherein said primase possesses a biological activity selected from the group consisting of activation of DNA polymerase activity, RNA primase activity, stimulation of helicase activity of *S. aureus* DnaC helicase, and stimulation of ATPase activity of *S. aureus* DnaC helicase.

92-104. (Canceled).

105. (Previously presented) An isolated or purified polypeptide comprising the amino acid sequence of SEQ ID NO: 2.

106. (Previously presented) An isolated or purified fragment of *Staphylococcus aureus* DnaG primase set forth in SEQ ID NO: 2, wherein said fragment binds a polypeptide comprising SEQ ID NO:4, and wherein said fragment is selected from the group consisting of amino acids 229 to 599 of SEQ ID NO:2 and amino acids 380 to 599 of SEQ ID NO:2.

107. (Previously presented) An isolated or purified polypeptide comprising an amino acid sequence having at least 95% identity over the entire length of SEQ ID NO: 2, wherein said

isolated or purified polypeptide possesses a biological activity selected from the group consisting of: activation of DNA polymerase activity, RNA primase activity, stimulation of helicase activity of *S. aureus* DnaC helicase, and stimulation of ATPase activity of *S. aureus* DnaC helicase.

108. (Previously presented) An isolated or purified polypeptide comprising an amino acid sequence having at least 97% similarity over the entire length of SEQ ID NO: 2, wherein said isolated or purified polypeptide possesses a biological activity selected from the group consisting of: activation of DNA polymerase activity, RNA primase activity, stimulation of helicase activity of *S. aureus* DnaC helicase, and stimulation of ATPase activity of *S. aureus* DnaC helicase.